

Retailer Energy Alliance



Renewable Energy Supplier Summit
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Manager of Technology Development
and Integration

Who is Supervalu

SUPERVALU.



- Fortune 500 company
- Network of 2500 retail stores
- Serve 5000 retail endpoints through supply chain services
- ~185,000 employees



Commercial Building
Energy Alliances



Star Market – Chestnut Hill, MA

- 400kw natural gas fuel cell
- EPA Greenchill Partner – first ever platinum award
- <500lbs of total CFC refrigerant charge
- 100% LED lighting



Renewable Energy Today

U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy



SUPERVALU
AMERICA'S
neighborhood
grocer *****

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- Supervalu has ~ 2 mw of rooftop solar planned or under construction
- Project deployment is driven by incentives
- Power Purchase Agreements are very common due to long paybacks

Retailer Energy Alliance Members



Energy Efficiency &
Renewable Energy

Retailers

- Applebee's International, Inc.
- Army & Air Force Exchange Service
- Bank of America
- Belk, Inc.
- Best Buy Co., Inc.*
- BJ's Wholesale Club, Inc.
- Boston Market Corporation
- Chipotle Mexican Grill, Inc.
- CKE Restaurants, Inc.
 - Includes: Carl's Jr., Hardee's, Green Burrito, Red Burrito
- Costco Wholesale Corporation
- Crate and Barrel
- Deere & Company
- Food Lion, LLC*
- J. C. Penney Company, Inc.*
- Kohl's Department Stores*
- Lamey-Wellehan Shoes
- Lowe's Companies, Inc.*
- Macy's, Inc.
- McDonald's Corporation*
- Panda Restaurant Group, Inc.
 - Includes: Panda Express, Panda Inn, Hibachi-San
- PETCO Animal Supplies, Inc.
- ProLogis
- Publix Super Markets
- Recreational Equipment, Inc.
- Rutter's Holdings, Inc.
- Safeway Inc.
- Sears Holdings Corporation
- Sonic Corp.
- Staples, Inc.*
- SUPERVALU INC.
- Target Corporation*
- The Great Atlantic & Pacific Tea Company
- The Home Depot, Inc.*
- The Stop & Shop Supermarket Company
- Toyota Motor Sales, U.S.A., Inc.
- Walgreen Co.
- Wal-Mart Stores, Inc.*
- Wawa, Inc.
- Wendy's/Arby's Group, Inc.
- Whole Foods Market, Inc.*
- Yum! Brands*
 - Includes: A&W Restaurants, KFC, Long John Silver's, Pizza Hut, Taco Bell

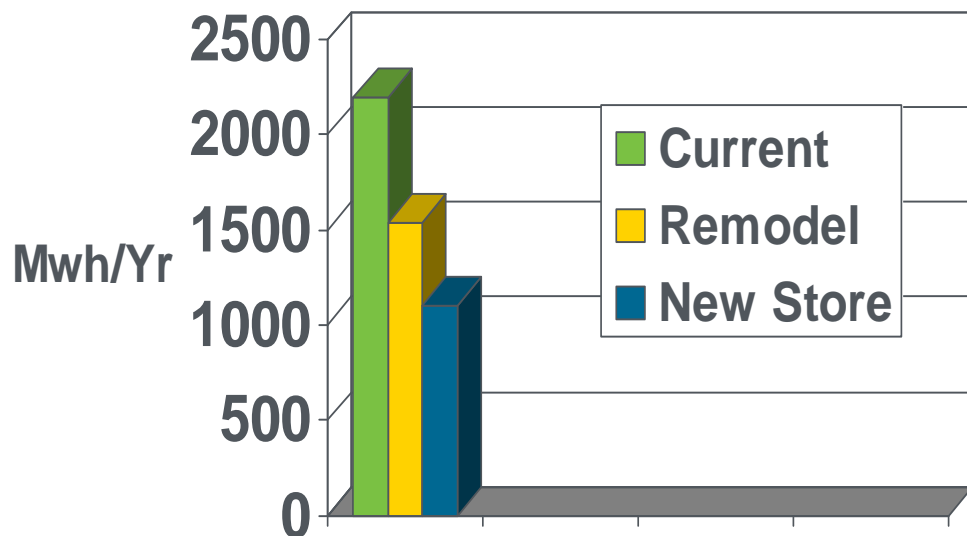
**Steering Committee Member*

Associations

- ASHRAE*
- IES*
- IFMA
- National Association of Convenience Stores
- Retail Industry Leaders Association
- United Foodservice Purchasing Co-op, LLC

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Average Yearly Energy Consumption



- New store design with a 50% reduction in power consumption
- Remodel store design with 30% reduction in power consumption
- Integrate renewable and sustainable designs into the remodel and new store construction process



- Shrinking profit margins
- Rising energy costs
- Need to understand and reduce operating costs
- Increased public awareness of renewable energy benefits
- It's the right thing to do!

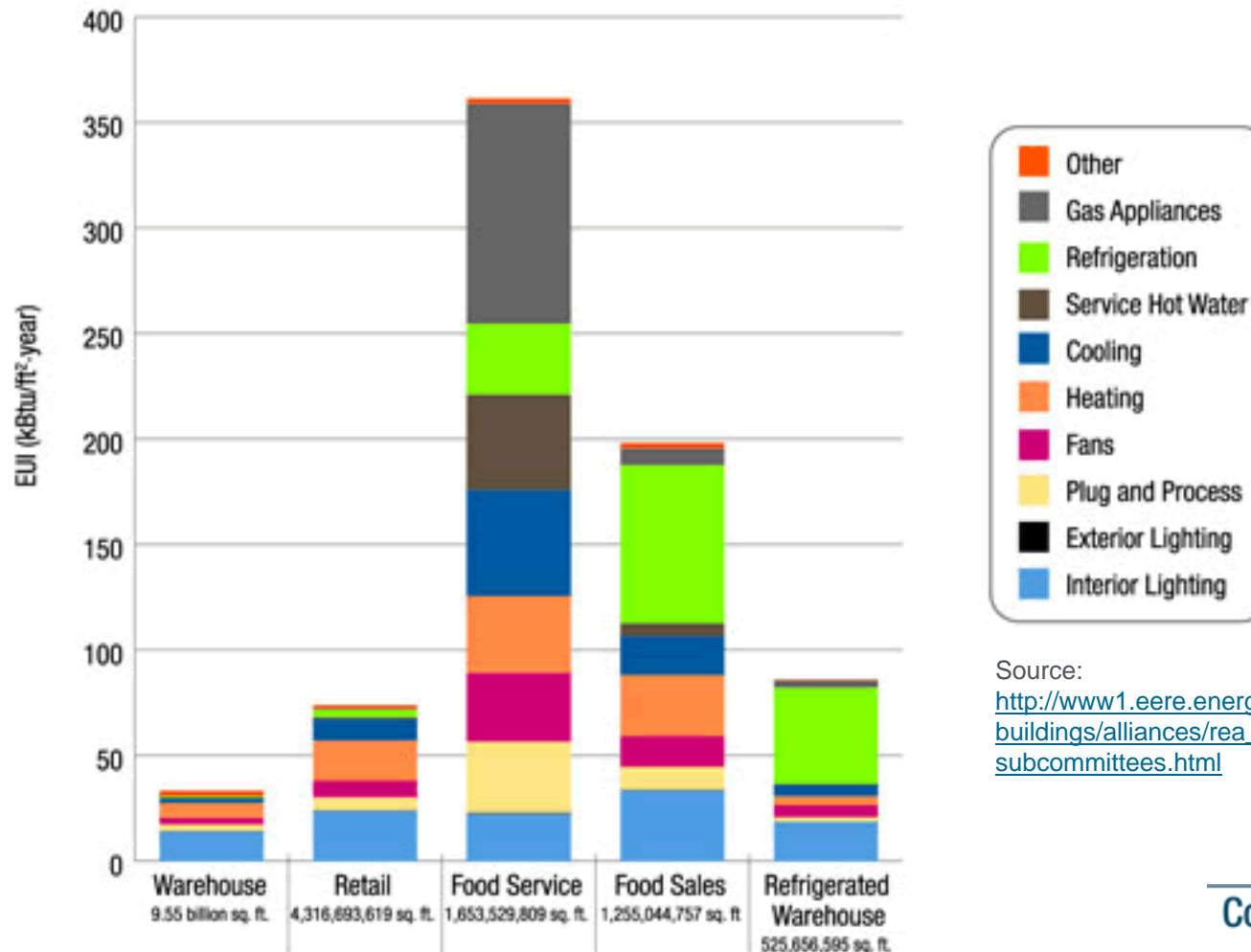


- Renewable energy suppliers must align with retailers strategy!
 - Size equipment appropriately
 - Educate the public
 - Understand diversity in the “retail space”
 - EUI – one size may not fit all!
 - 24/7 vs. 18-hour occupancy
 - Average demand vs. peak demand



EUI – “Retail Space”

Energy Use Intensity (EUI) by Commercial Buildi



Source:
http://www1.eere.energy.gov/buildings/alliances/real_subcommittees.html

- Hybrid electric vehicle growth
 - Need for infrastructure to support charging
- Fuel cells powered by bio-gas
 - Waste to fuel concepts
 - Fixed contracts for biofuel purchases
- Solar thermal integration
 - Reduction of CFC refrigeration charges
 - Reduce electric/gas consumption for hot water
- Rooftop solar



- Long payback periods
- Existing building lease agreements
- High product costs – early adopters bearing the brunt of R&D costs
- Low visibility to rebate and grant money with restrictive provisions



Questions?



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